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## APPENDIX.

*Geographical and Meteorological Observations, by the Chev.*

Day.	Place of Observation.	State of the Atmosphere.	Direction of the Wind.					
			12 — 4	4 — 8	8 — 12	12 — 4	4 — 8	8 — 12
1838.	° ' ° "		Fathoms.	Fathoms.				
16 XI.	29 51 N. 17 9 W.	Horizon gloomy; dull gleams of sun.	S.W. <sup>4</sup>	S.W. <sup>3</sup>	S.W. <sup>4</sup> S. <sup>4</sup>	S.W. <sup>4</sup>	S.W. <sup>3</sup>	S.S.W. <sup>3</sup>
17	30 23 18 40	Sky overcast; shower of rain; gusts of wind.	S.W. <sup>2</sup>	S.W. <sup>4</sup>	W.S.W. <sup>5</sup>	W.S.W. <sup>5</sup>	W. <sup>3</sup>	W.S.W. <sup>2</sup>
18	29 27 18 8	Sky bright and clear . .	W.S.W. <sup>3</sup>	S.W. <sup>1</sup>	S.W. <sup>2</sup>	W.S.W. <sup>5</sup>	W. <sup>3</sup>	W. <sup>2</sup>
19	28 40 18 0	Bright, with a few heaped clouds.*	W.N.W. <sup>½</sup>	W.N.W. <sup>1</sup>	N. <sup>2</sup>	N.E. <sup>3</sup>	$\frac{N.E.4}{N.N.W.}$	$\frac{N.W.2}{W.N.W.}$
20	27 38 18 6	— Towards evening, air sultry and oppressive.	N.E. <sup>2</sup>	N.E. <sup>2</sup>	N.E. <sup>1</sup>	N.N.W. <sup>1½</sup>		
21	27 30 18 8	Sun rose from narrow bright horizon below a rectilinear base of heavy clouds.			S.S.W. <sup>1½</sup>	S.W. <sup>1½</sup>	N.N.W. <sup>3</sup>	N. <sup>2</sup>
22	26 52 18 53	Morning, sky overcast; about noon, light on the horizon in N.N.W., with heavy heaped clouds * S.S.E.	N. <sup>1</sup>	N.W. <sup>1½</sup>	N.W. <sup>1</sup>	N.N.W. <sup>1½</sup>	N.N.W. <sup>2</sup>	N.N.W. <sup>1</sup>
23	26 31 19 29	Sky overcast, with gleams of sun.	N.N.W. <sup>2</sup>	N.N.W. <sup>2</sup>	N.N.W. <sup>1</sup>	N.N.W. <sup>1½</sup>	N.N.W. <sup>3½</sup>	$\frac{N.3}{N.N.W.}$
24	26 03 20 43	— In evening rainy clouds from E. to W. through whole S.	N.E. <sup>3</sup>	N.E. <sup>3</sup>	$\frac{N.E.3}}{E.}$ E.S.E.	E. <sup>3</sup>	E. <sup>5</sup>	E. <sup>5</sup>
25	25 07 22 39	Gloomy sunrise; 9h. bright from N.; evening, slight showers † in S.	E. <sup>6</sup>	E.N.E. <sup>4½</sup>	N.4E. <sup>5½</sup>	E. <sup>5</sup>	E. <sup>5½</sup>	E. <sup>5½</sup>
26	24 17 25 20	Alternate gleams of sun and wet fog ‡	E.E.N.E. <sup>5</sup>	$\frac{E.5½}}{E.S.E.}$	$\frac{E.5½}}{E.S.E.}$	E. <sup>6½</sup>	E. <sup>7</sup>	E. <sup>6</sup>
27	23 29 27 59	Morning, dull gleams of sun, then overcast; evening, fiery sun-set.	E. <sup>6½</sup>	E. <sup>6</sup>	E. <sup>6½</sup>	E. <sup>6</sup>	E. <sup>6</sup>	E. <sup>5½</sup>
28	22 48 30 16	. . .	5½	4	4	5	5½	6½
29	21 58 33 19	Morning, slight showers † in N. and E.; brighter sky, with heaped clouds.*	E.	E.	E.N.E.	E.	E.	$\frac{E.}{E.N.E.}$
30	21 17 36 25	Bright day, with fleecy † clouds; at noon wet fog, ‡ from thin misty clouds.	E.N.E.	E.N.E.	E.S.E.	E.S.E.	E.S.E.	E.
1 XII.	20 27 39 05	Clear sky, with fleecy † clouds.	E. <sup>6</sup>	E.4S. <sup>7</sup>	E.4S. <sup>7</sup>	E.S.E. <sup>5</sup>	E.S.E. <sup>6</sup>	E.S.E. <sup>7</sup>
2	19 49 42 15	— Towards 1 p.m. white stormy clouds, with short spurts of rain.	E.S.E. <sup>7</sup>	E.S.E. <sup>7½</sup>	E.S.E. <sup>7</sup>	E.S.E. <sup>6½</sup>	E.S.E. <sup>6½</sup>	E.S.E. <sup>7</sup>
3	19 03 44 49	Bright, with pale sky; and in afternoon fleecy † clouds.	E.S.E. <sup>7</sup>	E.S.E. <sup>6</sup>	E.S.E. <sup>5½</sup>	E. <sup>5½</sup>	E. <sup>6</sup>	E.S.E. <sup>6</sup>
4	17 55 47 11	. . .	6	6½	6	5	5½	E. <sup>5½</sup>
5	17 16 49 09	Clear light blue and cloudless sky.	E. <sup>5</sup>	E. <sup>4</sup>	E. <sup>5</sup>	E. <sup>3</sup>	E. <sup>4</sup>	E. <sup>4½</sup>
6	16 41 50 51	Sun rose from a misty horizon; a few scattered heaped clouds; * in afternoon, storm in the N., sun set in a pale grey heaped cloud.*	4½	5	4	3	3	3½
7	16 19 52 12	Sun rose and set with rainy clouds; morning, stormy, clouds in E.; rest of day, blue sky with few heaped clouds.*	2½	3½	4½	4½	4	$\frac{N.E.4}}{N.}$

\* See p. 97.

\* Haufwolken-Cumulus?

† Strichregen.

EMAN. FRIEDERICHSTHAL, *from Nov. 1838, to Jan. 1839.*

Colour of the Sea.	Course of Waves.	Thermometrical Observations, Celsius or Centigrade.																	
		6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	
. . .	W.	Air. . . .	21.7	..	..	..	..	22.4	..	..	..	..	..	..	..	..	22.6	In evening lightning in E.	
. . .	W.	Sea. . . .	21.0	..	..	..	..	21.7	..	..	..	..	..	..	..	..	22.2		
. . .	N.W.	Air. . . .	22.3	..	..	..	..	23.0	..	..	..	..	..	..	..	..	22.4		
. . .		Sea. . . .	21.6	..	..	..	..	..	22.2	..	..	..	..	..	..	..	21.2		
. . .	N.W.	Air. . . .	22.4	..	..	..	..	23.6	..	..	..	..	..	..	..	..	21.9		
. . .		Sea. . . .	22.0	..	..	..	..	..	21.8	..	..	..	..	..	..	..	21.5		
. . .		Air. . . .	21.8	..	..	..	..	22.3	..	..	..	..	..	..	..	..	21.5		
. . .		Sea. . . .	21.3	..	..	..	..	..	21.4	..	..	..	..	..	..	..	22.4		
. . .		Air. . . .	22.4	..	..	..	..	23.2	..	..	..	..	..	..	..	..	22.4		
. . .		Sea. . . .	22.4	..	..	..	..	..	23.1	..	..	..	..	..	..	..	22.4		
. . .	S.S.W.	Air. . . .	22.0	..	..	..	..	23.8	..	..	..	..	..	..	..	..	21.4		
. . .	N.N.W.	Sea. . . .	22.6	..	..	..	..	22.0	..	..	..	..	..	..	..	..	22.4		
Dark pearly grey.	N.N.W.	Air. . . .	21.1	..	..	..	..	22.3	..	..	..	..	..	..	..	..	20.7		
		Sea. . . .	22.3	..	..	..	..	..	22.6	..	..	..	..	..	..	..	22.4		
Morning, greyish blue; later, pearly grey.	W.S.W.	Air. . . .	21.6	..	..	..	..	22.9	..	..	..	..	..	..	..	..	22.4		
	W.N.W.	Sea. . . .	22.8	..	..	..	..	22.9	..	..	..	..	..	..	..	..	21.4		
Dark grey.	W.N.W.	Air. . . .	23.6	..	..	..	..	24.3	..	..	..	..	..	..	..	..	22.0		
		Sea. . . .	22.7	..	..	..	..	..	23.0	..	..	..	..	..	..	..	22.5		
. . .	N.N.E.	Air. . . .	23.0	..	..	..	..	23.5	..	..	..	..	..	..	..	..	22.1		
		Sea. . . .	22.9	..	..	..	..	..	23.0	..	..	..	..	..	..	..	22.4		
Steel grey.	E.N.E.	Air. . . .	22.6	..	..	..	..	22.8	..	..	..	..	..	..	..	..	22.9		
{ Noon, light pearly grey; dark grey. Pearly grey.		Sea. . . .	23.6	..	..	..	..	..	23.8	..	..	..	..	..	..	..	22.4		
	Air. . . .	22.9	..	..	..	..	..	23.8	..	..	..	..	..	..	..	23.6			
	Sea. . . .	23.1	..	..	..	..	..	23.8	..	..	..	..	..	..	..	22.1			
	Air. . . .	25.0	..	..	..	..	..	25.0	..	..	..	..	..	..	..	24.0			
Morning, pearly grey; later, dark blue.	Sea. . . .	23.6	..	..	..	..	..	23.8	..	..	..	..	..	..	..	..	23.6		
		22.9	..	..	..	..	..	24.1	..	..	..	..	..	..	..	24.1			
Morning, dark; later, light blue.	Sea. . . .	24.0	..	..	..	..	..	24.0	..	..	..	..	..	..	..	..	22.9		
		24.6	..	..	..	..	..	25.4	..	..	..	..	..	..	..	24.5			
Azure.	Sea. . . .	25.0	..	..	..	..	..	25.0	..	..	..	..	..	..	..	..	24.6		
		25.0	..	..	..	..	..	25.9	..	..	..	..	..	..	..	24.9			
. . .	Sea. . . .	25.0	..	..	..	..	..	25.0	..	..	..	..	..	..	..	..	23.4		
		25.9	26.4	27.4	26.9	27.1	26.1	26.0	25.4	25.4	..	..	..	..	..	25.0			
. . .	Sea. . . .	25.0	..	..	..	..	..	25.1	..	..	..	..	..	..	..	..	25.0		
		26.4	26.2	26.5	27.3	26.2	..	25.5	25.4	25.0	..	..	..	..	..	24.6			
. . .	Sea. . . .	25.4	..	..	..	..	..	25.2	..	..	..	..	..	..	..	..	25.1		
		25.4	26.6	27.4	27.3	26.9	26.7	26.2	26.2	25.8	..	..	..	..	..	25.0			
. . .	Sea. . . .	25.6	..	..	..	..	..	25.6	..	..	..	..	..	..	..	..	24.0		
		25.7	26.2	26.8	27.2	26.9	27.4	26.8	26.4	26.2	..	..	..	..	..	25.0			
. . .	Sea. . . .	25.7	..	..	..	..	..	25.5	..	..	..	..	..	..	..	..	21.8		
		..	27.4	..	..	..	..	28.2	28.1	27.9	25.5	26.1	26.1	..	..	..	25.1		
. . .	Sea. . . .	26.0	..	..	..	..	..	26.2	..	..	..	..	..	..	..	..	24.6		
. . .	N.	Air. . . .	26.0	26.1	26.6	..	..	26.2	..	26.0	..	26.0	..	..	..	..	25.0		
. . .		Sea. . . .	25.2	..	..	..	..	..	..	26.2	..	..	..	..	..	..	25.0		

‡ Stockenwolken.

§ Nebel. regen.

Day.	Place of Observation.	State of the Atmosphere.	Direction of the Wind.					
			12 — 4	4 — 8	8 — 12	12 — 4	4 — 8	8 — 12
1838. 8 XII	16 12N. 53 52W.	Bright day, with few heaped clouds;* 8h. A.M. spurts of wind from N., with stormy clouds and a little rain; 9h. P.M. slight rain from N.	N.E.3½ N.	N.5½	N.E.4 E.	E.N.E.5	E.5½	E.N.E.5
9	16 22 56 09	Sunrise, fiery, with rainy clouds; line of clouds† from N.E. to S.W., with heavy showers; 5h. P.M. storm in N. and S., with rain; sun set in stormy clouds.	E.N.E.5	E.N.E.6	E.N.E.6½	E.6	E.6	E.6
10	16 18 58 43	Bright day, with a few heaped clouds;* in morning a slight shower.	E.6	E.7	E.6½	E.6½	E.7	E.7
11	16 17 61 39	At night alternate showers; the same throughout the day from the E. with gusts of wind; at 4½ h. and 8½ h. P.M. heavy rain.	7½	7½	8	7	8	8
12	16 17	At night alternate showers; A.M. stormy clouds in E. and N.; P.M. heavy rain and a gale of wind from the E., horizon overcast all round.	8½	9½	8	9	8½	7
13	Between the Isles of Antigua and Montserrat. In evening, St. Eustachia on the E. Morning, to the E. of Isles of San Juan and St. Thomas, & at 1 o'clock P.M. in the Harbour of St. Thomas	Bright day, with passing clouds;* showers from N. in morning, noon, and evening.	7½	7	6½	7½	8½	8½
14		Bright day, with a few heaped clouds.	7½	8½	8½	8	.	.
15 — 30	Stay at St. Thomas . . .	Showers, with gusts of wind from the E. almost daily; particularly in the afternoon, clouds formed very rapidly.	.	.	.	S.E.	E.N.E.5	E.N.E.5
30	On E. of the Isle of Vico 18 11 67 24	Day bright, with few cumulating clouds late in evening, and at night a shower; sunset cloudy.	E.N.E.6	E.N.E.6	E.N.E.5	E.N.E.5	E.N.E.5	E.N.E.6
31	17 27 69 39	Sunrise cloudy; day bright, with fleecy clouds; sun set with light. grey stormy clouds; 7h. evening, showers in N.E. and S.W.	6	4	5	5	4	
1839. 1 I.	16 42 71 40	Bright sunny day, with feathery clouds.	3	3	3½	3	2	2½
2	15 55 73 7	At noon, partial showers from thin misty clouds; sunset fiery.	3	3	4½	5	4½	E.S.E.4½
3	15 41 71 16	Morning, stormy clouds in N.E.; noon and 3h. P.M. showers; evening, storm in N.						

\* Haufwolken-Cumulus.

Colour of the Sea.	Course of Waves.	Thermometrical Observations, Celsius or Centigrade.																
		6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10
Dark blue.	. .	Air.	...	23.4	..	..	34.4	24.2	24.5	25.4	25.7	25.8	25.0	...	..	24.3	..	Exposed to the wind, therm. morning, 8h. 22.2°; even. 9h. 24.8° Evening, 8h., lightning in E.
		Sea.	...	25.6	..	..	..	25.4	..	..	..	..	..	..	..	24.2	..	
Pearl grey.	. .	Air.	...	24.2	..	26.2	26.3	26.4	23.0	26.1	..	..	26.0	...	..	25.4	..	Evening, 7h., meteor of the magnitude of a star, moving horizontally from E. towards W., vanished in the atmosphere.
		Sea.	...	24.9	..	..	..	25.5	..	..	..	..	..	..	..	24.9	..	
Dark blue.	. .	Air.	...	26.1	25.4	27.2	..	26.0	26.6	..	27.4	26.6	..	..	..	26.1	..	Evening, 7½h., in N.E. rainy cloud, at the point of which appeared a ball of fire half the size of the moon: extinguished after 2 sec.
		Sea.	...	25.5	..	..	..	26.0	..	..	..	..	..	..	..	25.5	..	
Dark grey.	E.	Air.	...	27.0	27.4	..	27.4	29.5	27.6	..	27.2	..	..	..	..	25.0	..	Many meteors like that of the 9th visible.
		Sea.	...	26.1	..	..	..	26.1	..	..	..	..	..	..	..	25.7	..	
. . .	N.E.	Air.	...	26.7	27.3	28.2	..	27.4	25.0	..	26.6	..	..	..	..	25.1	..	Evening and night, strong flashes of lightning in S.
		Sea.	...	26.1	..	..	..	26.6	..	..	..	..	..	..	..	25.4	..	
Dark blue.	. .	Air.	...	26.2	27.2	..	..	25.0	26.1	25.6	26.2	..	..	..	..	25.0	..	
		Sea.	...	26.6	..	..	..	26.9	..	..	..	..	..	..	..	26.9	..	
. . .	. .	Air.	...	..	..	27.8	27.6	27.4	..	..	..	..	..	..	..	26.1	..	At night current from E. towards W.
		Sea.	...	26.7	..	..	..	..	..	..	..	..	..	..	..	..	..	
. . .	. .	Air.	...	..	27.8	..	..	..	26.8	..	26.4	..	..	..	..	25.5	..	
		Sea.	...	26.0	..	..	..	..	..	..	..	..	..	..	..	24.5	..	
Dark grey.	E.S.E.	Air.	...	26.6	26.7	27.0	..	28.1	28.8	29.0	..	27.2	27.3	...	26.7	..	..	
		Sea.	...	26.6	..	..	..	..	27.0	..	..	..	..	..	..	25.8	..	
Dark blue.	. .	Air.	...	27.2	..	27.9	28.4	27.9	27.4	27.0	..	27.0	..	..	..	26.0	..	
		Sea.	...	26.7	..	..	..	..	26.3	..	..	..	..	..	..	26.6	..	
Light blue.	. .	Air.	...	27.2	..	28.1	29.8	28.7	28.5	..	29.3	27.4	26.9	...	26.0	..	..	8h. P.M. lightning in E.
		Sea.	...	26.8	..	..	..	..	26.6	..	..	..	..	..	..	25.8	..	
Light grey.	E.	Air.	...	27.2	28.0	28.4	..	29.0	28.4	28.0	..	27.0	..	..	..	26.7	..	
		Sea.	...	26.2	..	..	..	..	26.9	..	..	..	..	..	..	26.8	..	

† Zugwolk.

Day.	Place of Observation.	State of the Atmosphere.	Direction of the Wind.					
			12 — 4	4 — 8	8 — 12	12 — 4	4 — 8	8 — 12
1839. 4 I.	15 03 N. 75 43 W.	At night, 2h. P.M. heavy rain; morning, stormy clouds in E.*	N.E. <sup>4</sup>	N.E. <sup>3</sup>	N.E. <sup>2</sup>	E <sup>2</sup>	1, 2, 5, 2 E.N.E.	0, 1, 3, 2 E.N.E.
5	14 41 76 31	Cloudy day, showers in the E. and N.; frequent gusts of wind.	E.N.E. <sup>2</sup>	E.S.E. <sup>2</sup>	E.S.E. <sup>2½</sup>	$\frac{N.E.^2\frac{1}{2}}{N.N.E.}$	N. <sup>5½</sup>	N. <sup>3</sup>
6	13 44 78 58	At night showers; in morning, horizon overcast S. and S.E.; bright day; P.M. rainy clouds in S.W.; evening, rainy clouds in E. and E.N.E.	N. <sup>7½</sup>	N. <sup>7½</sup>	N. <sup>7½</sup>	N.N.E. <sup>6½</sup>	N.N.E. <sup>8</sup>	N.N.E. <sup>7</sup>
7	12 53 81 39	In the night showers; in morning sky overcast; at 7h., 12h., 2h., 6h., and 8h., showers; fiery sunset.	N.N.E. <sup>7</sup>	N.N.E. <sup>7½</sup>	N.N.E. <sup>7</sup>	N. <sup>6</sup>	N.N.E. <sup>7½</sup>	N.N.E. <sup>6½</sup>
8	11 27 84 39	In morning sky overcast, then bright, with passing clouds; 11h. showers in N., passing on to W.; in evening sky overcast; gusts of wind.	6½	7½	7	6½	2	2½
9	Overnight driven near the mouth of the Colorado	Sky overcast all day; sudden showers and fog, with strong gusts of wind from all quarters.	N.N.E. <sup>3</sup>	N.	N.	N.N.E.	By lead 11 fathoms	aback. 15'. E.N.E. N.N.E.
10	10 37 85 9	In night sky overcast; in morning rain on horizon in S.W.W. N.W., with gleams of sun; 3h. P.M. showers from N.; 5h. P.M. from S.	N.N.E. <sup>3½</sup>	N.N.E. <sup>2½</sup>	2	S.W. <sup>3</sup>	N.E. <sup>3</sup>	5, 6, 2, 2 N.E.
11	.	In night sky overcast, with gusts of wind and showers; after sunrise bright; 9h. showers in E. and W.; at noon, wet fog from S.; in evening, sky overcast.	2, 1, 3, 0 N.E.	0, 5, 0, 5 S.W.	3	0, 5, 2, 5 N.E.	3, 3, 2, 3 N.E.	4, 3, 1, 3 N.E.
12	11 11 middle of Grindstone Bay	Morning, sky overcast, with showers in N. and S.; 7h., showers in W.N.W.; 8h., showers in E.; 10h., showers from N.E.; afternoon bright, with cumulus clouds.	N.E. <sup>4</sup>	N.E. <sup>4½</sup>	N.W. <sup>3</sup>	E. <sup>1½</sup>	E. <sup>2</sup>	E. <sup>3</sup>

1839.

S. Juan de Nicaragua—Mean Temperature

S. Juan de Nicaragua. 14—20 Jan. Mean height by 11 barometrical observations,  $2\frac{1}{2}$  metres (8·2 feet) above the Acoyapa, Chief Fort of the Province of Chontales. } April. " 2 " 3 "

\* Day, lines of clouds; noon and 3 P.M., showers;

[M. Friederichsthal uses Celsius's Centigrade Thermometer, of which  $5^{\circ} = 9^{\circ}$  Fahrenheit, commonly used by us; if, corresponding altitude of Fahrenheit's scale will be obtained—thus,  $26\cdot4^{\circ} \text{ C.} \times \frac{9}{5} + 32 = 79\cdot52^{\circ} \text{ F.}$ —Ed.]

Colour of the Sea.	Course of Waves.	Thermometrical Observations, Celsius or Centigrade.																	
		6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	
Dark blue.	E.N.E.	Air. Sea.	26.7 26.6	27.8 ..	28.4 ..	29.2 ..	28.2 ..	29.3 27.2	.. ..	28.6 ..	.. ..	.. ..	.. ..	.. ..	.. ..	26.6 26.9			
Greyish blue.	. .	Air. Sea.	27.6 27.3	29.2 ..	29.3 ..	29.4 ..	29.2 ..	29.0 27.0	.. ..	28.1 ..	27.6 ..	.. ..	.. ..	.. ..	.. ..	26.7 27.5			
Dark grey.	N.N.E.	Air. Sea.	26.9 26.7	.. ..	.. ..	27.0 ..	.. ..	27.0 26.9	26.9 ..	.. ..	27.4 ..	.. ..	.. ..	.. ..	.. ..	26.9 26.9			
Dark grey.	N.N.E. N.N.W.	Air. Sea.	25.8 26.1	26.9 ..	27.3 ..	.. ..	.. ..	27.2 26.8	28.0 ..	26.9 ..	26.2 ..	27.4 ..	.. ..	.. ..	.. ..	26.6 26.6	6h. P.M. Isle of Kay E.S.E. 1 league to N.		
Dark blue.	E.N.E.	Air. Sea.	27.4 26.7	27.6 ..	28.1 ..	27.4 ..	26.9 ..	24.6 24.8	25.2 ..	24.4 ..	26.0 ..	.. ..	.. ..	.. ..	.. ..	.. ..	Noon, Continent visible.		
Pale stone green ; afternoon, spray yellow.	. .	Air. Sea.	.. ..	24.3 25.6	.. ..	.. ..	.. ..	.. ..	25.5 25.6	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	Current from N. to S. 2, 3 knots.		
Dark grey.	N.N.E.	Air. Sea.	27.5 24.8	27.5 ..	.. ..	26.9 ..	24.4 ..	26.8 27.2	25.6 ..	26.1 ..	.. ..	.. ..	.. ..	.. ..	.. ..	26.3 26.8			
Dark grey ; at noon light blue.	. .	Sea. Air.	26.9 26.6	26.2 ..	27.3 ..	28.0 ..	27.2 ..	27.5 27.2	26.2 ..	27.4 ..	.. ..	.. ..	.. ..	.. ..	.. ..	27.3 26.9			
Stone green.	. .	Air. Sea.	24.4 26.4	25.5 ..	26.6 ..	26.8 ..	27.5 ..	26.9 26.6	.. ..	27.0 ..	.. ..	27.2 ..	.. ..	.. ..	.. ..	25.5 25.5	Heaving the lead $\frac{1}{2}$ leg. off St. Juan near the coast 7 fth. ; entrance of the port 7 fth. ; 250° from land 3 to 4 fath.		

30 inches ; in interior of the earth, 26.4.

level of the Atlantic in a favourable state of atmosphere. Sum of the 2 scales 763.6 Mean Barom. Obs., T. 27.7, t. 28.4.

,, Pacific, 11° 28' N. lat. Boca del Rio Giusala, 763.4 Mean Barom. Obs., T. 26.5, t. 25.7.

evening, rainy sky in S.E. and N. ; sunset fiery.

therefore, any given number of degrees of the Centigrade be multiplied by 9, and divided by 5, and 32 be added to the amount, the